

ABSTRACT OF THE DISCLOSURE

An optical recording medium includes a recording layer, a first dielectric layer disposed on the side of a light incidence plane through which the laser beam enters with respect to the recording layer, a second dielectric layer disposed on the side opposite to the light incidence plane with respect to the recording layer, a heat radiation layer disposed on the side of the light incidence plane with respect to the first dielectric layer and a reflective layer disposed on the side opposite to the light incidence plane with respect to the second dielectric layer, the recording layer containing a phase change material represented by an atomic composition formula: $\text{Sb}_a\text{Te}_b\text{Ge}_c\text{Tb}_d$, where a is equal to or larger than 63 and equal to or smaller than 78, c is equal to or larger than 2 and equal to or smaller than 10, d is equal to or larger than 3 and equal to or smaller than 15, $(a + d)$ is equal to or larger than 75 and equal to or smaller than 82 and a/b is equal to or larger than 3.3 and equal to or smaller than 4.9, in an amount equal to or more than 95 atomic %.

According to the thus constituted optical recording medium, it is possible to simultaneously improve characteristics of recording data therein at a high linear velocity, data reproduction durability and storage reliability.